

**Product Name:** VH 032 amide-alkylC4-amine

**Catalog No.:** 6465

**Batch No.:** 3

CAS Number: 2341796-78-7

IUPAC Name: (2*S*,4*R*)-1-((*S*)-2-(5-aminopentanamido)-3,3-dimethylbutanoyl)-4-hydroxy-*N*-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide dihydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

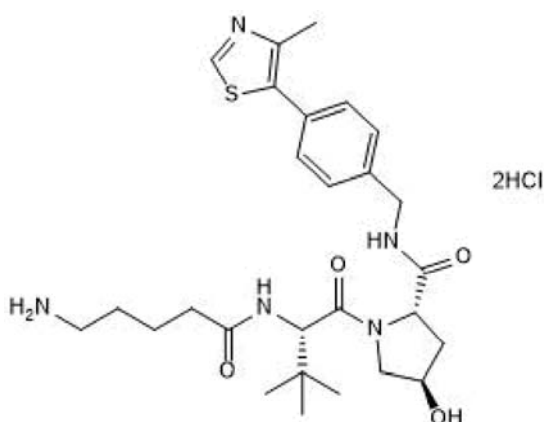
**Batch Molecular Formula:** C<sub>27</sub>H<sub>39</sub>N<sub>5</sub>O<sub>4</sub>S.2HCl

**Batch Molecular Weight:** 602.62

**Physical Appearance:** Cream solid

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 96.1% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen	chlorine
Theoretical	53.81	6.86	11.62	11.77
Found	54.03	7.16	11.68	8.33

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

VH 032 amide-alkylC4-amine is a functionalized von-Hippel-Lindau protein ligand (VHL) for PROTAC<sup>®</sup> research and development; incorporates an E3 ligase ligand plus a short alkyl linker ready for conjugation to a target protein ligand. Part of a range of functionalized tool molecules for PROTAC R&D. This product has been recently renamed. The previous name for this product was VH 032 - linker 3 Please contact us for SD files of our available Degradar Building Blocks. PROTAC<sup>®</sup> is a registered trademark of Arvinas Operations, Inc., and is used under license. Please see product specific page on www.tocris.com for full description.

**Physical and Chemical Properties:**

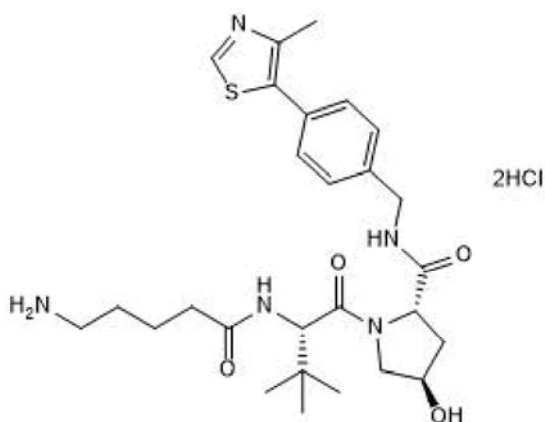
Batch Molecular Formula: C<sub>27</sub>H<sub>39</sub>N<sub>5</sub>O<sub>4</sub>S.2HCl

Batch Molecular Weight: 602.62

Physical Appearance: Cream solid

**Minimum Purity:** ≥95%

**Batch Molecular Structure:**



**Storage:** Store at -20°C. This product is packaged under an inert atmosphere.

**Solubility & Usage Info:**

This compound is hygroscopic and may absorb atmospheric moisture during prolonged storage, causing the solid to become sticky and/or collapse into a gel or glass-like form. Although purity is unaffected, it may be difficult to extract the full quantity from the vial. In such a situation, we recommend that solutions are made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Salami *et al* (2017) Waste disposal-An attractive strategy for cancer therapy. Science **355** 1163. PMID: 28302825.

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